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PATENT  
ATTORNEY DOCKET NO. 04148-00033

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Joost Dick de Bruijn, )  
Sandra Claudia da Silva Madureira Mendes, )  
Clemens Antoni van Blitterswijk )  
Serial No.: 10/730,770 )  
Filed: December 8, 2003 )  
Title: PREDICTING THE CAPACITY OF A CELL )  
- POPULATION TO INDUCE BONE )  
FORMATION )

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Examiner: Jennifer A. Dunston  
Art Unit: 1636  
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Commissioner for Patents  
Mail Stop Amendment  
P.O. Box 1450  
Alexandria, VA 22313-1450

**AMENDMENT AND RESPONSE TO OFFICE ACTION**

Dear Sir:

This is in response to the Office Action mailed October 22, 2004. Kindly amend the above-referenced application as follows.

**Amendments to the specification are at page 2 of this paper.**

**Amendments to the claims are reflected in the claim listing, which begins at page 5 of this paper.**

**Remarks begin at page 8 of this paper.**